

COLLECTION DEVELOPMENT POLICY STATEMENT

CLASSIFICATION: QD (CHEMISTRY)

JULY 1999

General Purpose: To support undergraduate instruction in the basic sciences with academic majors in Chemistry (as accredited by the American Chemical Society), Biology, Engineering, Materials Science, and Basic Sciences. To support some chemical research needs of faculty. To support the recreational information needs of students and instructors.

Collection Level Intensity: Introductory research.

Geographical Areas: Most items originate in English speaking countries, but no restrictions are made eliminating specific geographic areas.

Chronological Periods: Emphasis is on 20th and 21st century materials with no specific restrictions.

Types of Material Collected: Monographs, serials, treatises, textbooks, government documents, report literature, ACS publications, bibliographies, indexes and abstracts, directories, handbooks, encyclopedias, dictionaries, and some dissertations. Electronic sources include online databases, CD-ROMs, and evaluated Internet web sites.

Types of Material Excluded: Lab and equipment manuals, models, audiovisual items, and chemical catalogs.

Other Factors: Biological/environmental/agricultural aspects of chemicals and their relationships will be acquired as appropriate, but may be found in other areas of the collection. Chemical spectroscopy may be considered interdisciplinary with Physics (QC 450-454). Materials detailing military use of chemicals (chemical warfare, defoliants, etc.) will also be acquired, but may be in other areas of the collection. Chemical technology may be found in the TP class and materials science in TA. Soil chemistry is located in S. Environmental chemistry and bioremediation are located in TD, and environmental pollution can be found in TD, QH or RA. Geochemistry is located in QE or TN. Biochemistry is generally in QP but may also be found in QD or QH.

Subjects and Collecting Levels: The areas of Chemistry are:

QD	1-69	Chemistry (General), Dictionaries, Handbooks
	71-145	Analytical Chemistry
	146-199	Inorganic Chemistry
	241-499	Organic Chemistry
	450-731	Physical and Theoretical Chemistry
	901-999	Crystallography
Z	5521-5526	Bibliography, Chemistry

Materials on these topics will be collected at a level adequate to support independent study for undergraduate students and allow faculty to maintain generalized knowledge of the subjects. Included will be important reference works, many specialized monographs and monographic series, major treatises, a substantial collection of professional journals, Chemical Abstracts and other specialized bibliographies. English language materials will be preferred for curriculum related areas, but materials in other languages may be acquired to support research interests. English translations are preferred over original language materials.

Weeding Criteria: Materials may be withdrawn from the collection based on the following criteria:

Age: Superseded by newer editions, material is ephemeral (textbooks older than 5-10 years).

Usage: Multiple copies with little/no use.

Physical condition: Missing pages, text unreadable (water damage, foxing, etc.), poor quality paper, or other factors that preclude rebinding.

Level of Treatment: Too superficial for undergraduate study; newer material provide better/expanded explanations of complex subjects, clearer text styles, better illustrations; too advanced for undergraduate study; and not relevant to faculty research.

Candidates for weeding will typically be compared with published lists of landmark works before being withdrawn.

CHEMISTRY courses and subjects supported include:

- Analytical Chemistry (including Chromatography)
- Spectroscopy and Electrochemistry
- Inorganic Chemistry
- Organic Chemistry
- Instrumental Organic Chemistry
- Physical Chemistry
- Applied Physical Chemistry
- Chemistry of the Environment
- Biochemistry
- Polymer Chemistry
- Advanced Materials
- Biomolecules
- Macromolecular Biochemistry

Last updated by Sandra Higel, Subject Specialist